

United States Department of Agriculture  
Animal and Plant Health Inspection Service  
4700 River Road  
Riverdale, MD 20737

**Permit to Move Live Plant Pests, Noxious Weeds, and Soil**  
Interstate Movement  
**Regulated by 7 CFR 330**

This permit was generated electronically via the ePermits system

<b>PERMITTEE NAME:</b>	Dr. Florent Trouillas	<b>PERMIT NUMBER:</b>	P526P-17-04594
<b>ORGANIZATION:</b>	University of California - Davis	<b>APPLICATION NUMBER:</b>	P526-171023-020
<b>ADDRESS:</b>	9240 South Riverbend Ave Parlier, CA 93648	<b>FACILITY NUMBER:</b>	N/A
<b>MAILING ADDRESS:</b>	9240 South Riverbend Ave Parlier, CA 93648	<b>HAND CARRY:</b>	Yes
<b>PHONE:</b>	559-646-6566	<b>DATE ISSUED:</b>	12/19/2017
<b>FAX:</b>		<b>EXPIRES:</b>	<b>12/19/2020</b>
<b>DESTINATION:</b>	9240 South Riverbend Ave, Parlier, CA 93648		
<b>RELEASE:</b>	CA , (County: Kern and Colusa)		

Under the conditions specified, this permit authorizes the following:

**Article Category:** BioControl Organisms - of Plant Diseases

<u>Regulated Article</u>	<u>Life Stage(s)</u>	<u>Intended Use</u>	<u>Shipment Origins</u>	<u>Originally Collected</u>	<u>Culture Designation</u>
Trichoderma atroviride	Lyophilized plant or microbes, Spores	Research - Field	Continental U.S.	Originally Collected from Foreign Locations	SC1

**PERMIT GUIDANCE**

Receipt or use of foreign isolates or samples from countries under sanctions requires specific permission from the U.S. Department of Treasury (see <http://www.treasury.gov/resource-center/sanctions/Programs/Pages/Programs.aspx> for current country/regional listings) for current country listings.

This permit does not authorize importation, interstate movement, possession, and/or use of strains of genetically engineered regulated organisms (created by the use of recombinant DNA technology).

If an animal pathogen is identified in your shipment, to ensure appropriate safeguarding, please refer to [http://www.aphis.usda.gov/import\\_export/animals/animal\\_import/animal\\_imports\\_anproducts.shtml](http://www.aphis.usda.gov/import_export/animals/animal_import/animal_imports_anproducts.shtml).

This permit does not fulfill the requirements of other federal or state regulatory authorities. As appropriate, please contact the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the U.S. Food and Drug Administration, the Centers for Disease Control and Prevention, the APHIS Veterinary Services unit, or your States Department of Agriculture to ensure proper permitting.

Permit Number P526P-17-04594

THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING  
PPQ HEADQUARTER OFFICIAL VIA EPERMITS.



Carl Schulze

DATE

12/19/2017

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

If you are considering renewal of this permit, an application should be submitted at least 90 days prior to the expiration date of this permit to ensure continued coverage. Permits requiring containment facilities may take a longer period of time to process.

### PERMIT CONDITIONS


This permit authorizes the interstate movement of *Trichoderma atroviride* SC1 from researchers within the continental United States to Florent Trouillas of the University of California - Davis, Kearney Agricultural Research & Extension Center, 9240 South Riverbend Avenue, Parlier, California. This permit authorizes the field release of these organisms in Colusa and Kern Counties in California. The release must not exceed 10 acres per year per culture/ isolate, and is subject to the additional conditions below.

1. The permit holder must:
  - (a) comply with all requirements and permit conditions,
  - (b) maintain a valid permit so long as the regulated organisms are alive,
  - (c) this permit cannot be assigned or transferred to other persons.
  - (d) permittee must maintain a residence in the United States
  - (e) safeguard and dispose of the regulated organisms during the term of this permit,
  - (f) take all necessary precautions to prevent the unauthorized release of regulated organisms. In the event of an unauthorized release, the permit holder must notify the permit unit,
  - (g) adequately mitigate environmental impacts resulting from unauthorized release of regulated organisms,
  - (h) contain any/all organisms not authorized under this permit,
  - (i) notify the permit unit of the receipt of unauthorized organisms,
  - (j) notify the permit unit if facilities are destroyed or decommissioned for any reason,
  - (k) maintain an official permanent work assignment at the address on this permit,
  - (l) notify the permit unit in advance of any change in the permit holder's work assignment,
  - (m) destroy all regulated organisms prior to departure unless other arrangements are confirmed by the permit unit prior to the permit holder's departure, and
  - (n) notify the permit unit of the destruction of regulated organisms.

Notifications to the permit unit must be made via 866-524-5421 or [pest.permits@aphis.usda.gov](mailto:pest.permits@aphis.usda.gov) within one business day of the event triggering a notification.

2. Without prior notice and during reasonable hours, authorized PPQ and/or State regulatory officials shall be allowed to inspect the conditions associated with the regulated organisms authorized under this permit.
3. All persons working with these organisms must be informed of these permit conditions. Anyone working with these organisms must agree to and sign/ initial these conditions before beginning work. These signed conditions do not need to be submitted to USDA APHIS but must be readily accessible in the event of an inspection and presented upon request.

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Note: these conditions may be copied and stored electronically for electronic signature and initialing provided that the permit number, authorized organisms and life stages, release locations if applicable, and authorization statement all appear on the document with the permit number. Signing these conditions only indicates that the person working under this permit has read them; the permit holder is the sole responsible party under this permit.

4. The permit holder and/or those authorized by the permit holder shall conduct or supervise all field related activities connected with the use of the regulated organism(s), such as application, sampling and plant care. Plots must be located in limited access areas (i.e., not general traffic or public areas) and must be clearly marked during the duration of the experiments.

The Permit holder must maintain updated protocols for planned and on-going field trials, including maps or other depiction of plot locations and make them available to USDA APHIS upon request.

The total area of plots receiving inoculation must not exceed 10 acres in one year per culture/isolate. Multiple inoculation events on the same areas within the same year are not additive to the 10 acre limit, but additional field trials in other locations under other permits are additive.

5. Inoculum for field trials must originate from pure cultures of identified organisms.
6. Upon receipt of organisms regulated under this permit at the field research destination, all packages with the live organisms regulated under this permit including preparations (e.g., incubating cultures in various media for increase and growth/ treated soil, treated seeds) must be kept in laboratory, storage or similar areas with access restricted to personnel authorized by the permit holder.


Likewise, media mixing, seed treatment, soil incorporation and other application activities at the field site must be performed by personnel authorized by the permit holder.

7. Organisms must be shipped, or transported to the field, in securely sealed and escape-proof packages.
8. The permit holder and those s/he designates are authorized to transport regulated organisms in containers as described in Condition #7 within California by motor vehicle or commercial transportation. Place a copy of this permit with all shipments.
9. All un-used and leftover organisms, and all packaging materials in contact with organisms and/or contaminants, must be sufficiently heat or chemically treated to kill all regulated organisms and contaminants prior to disposal.

Alternatively, un-used inoculum and packaging materials may be double bagged and disposed of in a municipal landfill.

10. There is to be no further movement or distribution of organisms without prior approval from State and Federal regulatory officials.

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11. All necessary precautions must be taken to prevent escape of these cultures to other agricultural areas.

Plant or plant parts from the field trials containing the regulated material cannot be used for animal feed or any other purpose, and may not be moved across state lines.

12. You must notify us at [Pest.Permits@aphis.usda.gov](mailto:Pest.Permits@aphis.usda.gov). as soon as possible but not later than within 5 working days if the plant pathogen or associated host organism is found to have characteristics substantially different from those expected, or suffers any unusual occurrence (excessive mortality or morbidity, or unanticipated effect on non-target organisms).
13. Under the Plant Protection Act, individuals or corporations who fail to comply with these conditions and authorizations, or who forge, counterfeit, or deface permits or shipping labels may receive civil or criminal penalties, and may have all current permits cancelled and future permit applications denied.

**END OF PERMIT CONDITIONS**

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